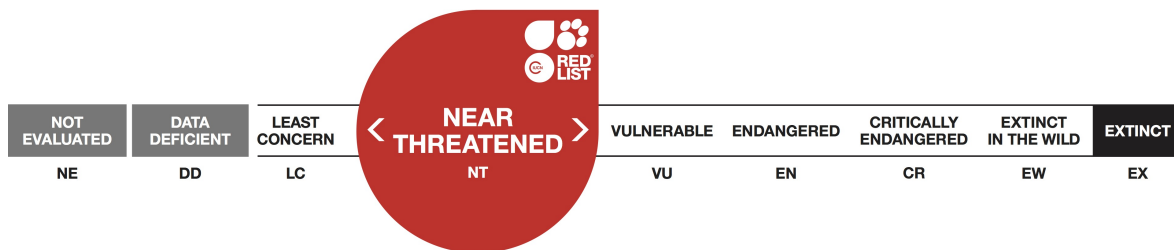


## *Pittosporum paniculatum*

Assessment by: Gemmill, C. *et al.*



View on [www.iucnredlist.org](http://www.iucnredlist.org)

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## Taxonomy

| Kingdom | Phylum       | Class         | Order   | Family         |
|---------|--------------|---------------|---------|----------------|
| Plantae | Tracheophyta | Magnoliopsida | Rosales | Pittosporaceae |

**Taxon Name:** *Pittosporum paniculatum* Brongn. & Gris

**Taxonomic Source(s):**

Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

## Assessment Information

**Red List Category & Criteria:** Near Threatened [ver 3.1](#)

**Year Published:** 2017

**Date Assessed:** July 24, 2015

**Justification:**

*Pittosporum paniculatum* is an endemic species of New Caledonia found in the centre and north-eastern of Grande Terre. A species of dense humid forest on schist or greywacke, *P. paniculatum* occurs at an altitudinal range 5-820 m asl. A continuous decline in population size is projected due to bushfire and degradation caused by Rusa Deer and feral pigs, which could affect *P. paniculatum*. The population size is not precisely known, but it is estimated about 10,000 individuals. Using criterion C, *P. paniculatum* qualifies as Near Threatened (NT) as it is close to qualifying for a threatened category (VU) C2a(i).

## Geographic Range

**Range Description:**

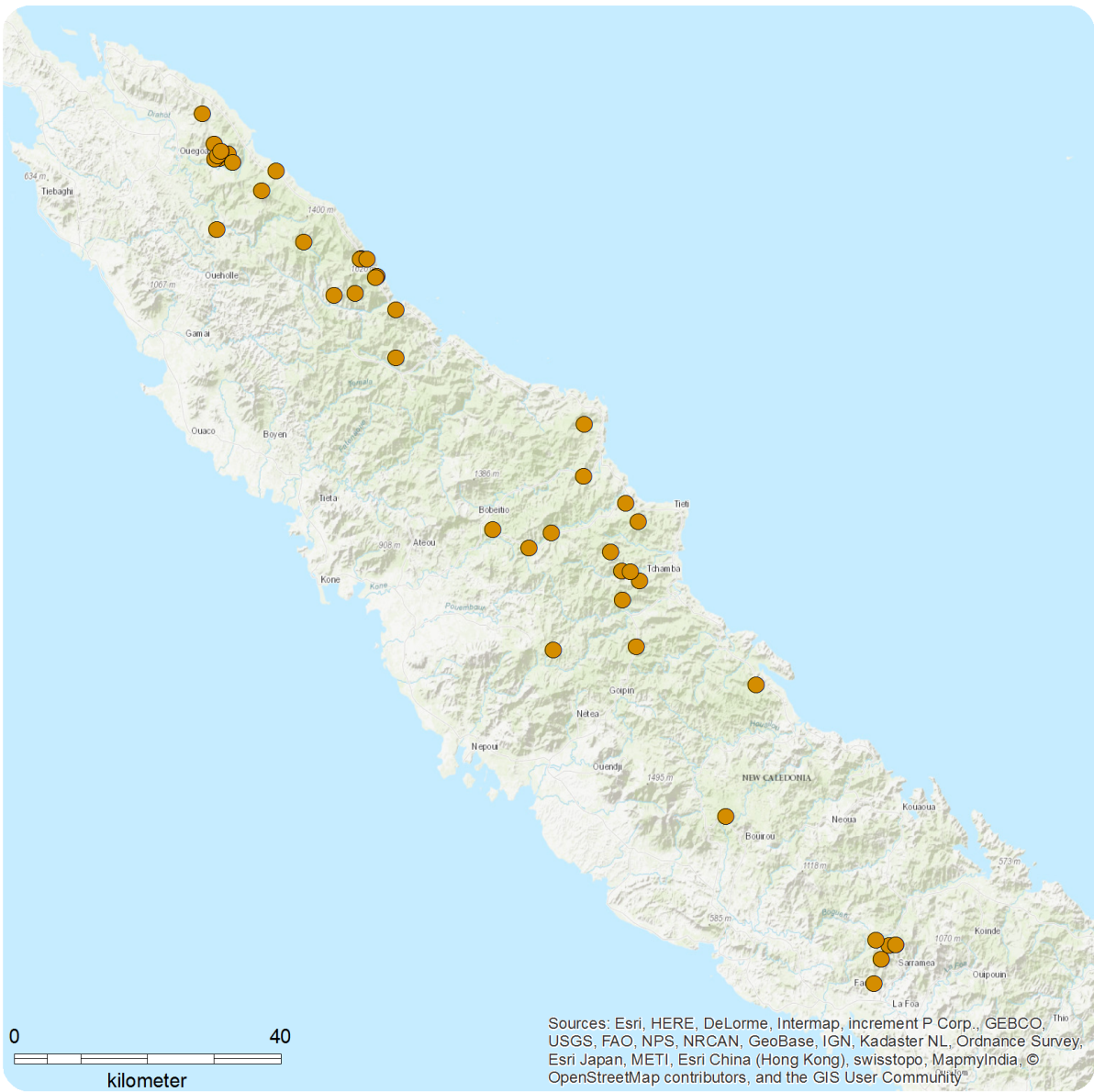
*Pittosporum paniculatum* is an endemic species of New Caledonia found in the centre and northeastern part of Grande Terre.

**Country Occurrence:**

**Native:** New Caledonia

# Distribution Map

*Pittosporum paniculatum*



Range

- Extant (resident)

Compiled by:

IUCN SSC New Caledonia Plants RLA



## Population

Mature individuals population size is not precisely known, but based on expert information, population size is estimated around 10,000 mature individuals.

**Current Population Trend:** Unknown

## Habitat and Ecology (see Appendix for additional information)

Species of dense humid forest on schist or greywacke, *Pittosporum paniculatum* occurs at an altitudinal range 5-820 m asl.

**Systems:** Terrestrial

## Threats (see Appendix for additional information)

Due to its ecology and distribution, *Pittosporum paniculatum* could be affected by bushfires, Rusa Deer (*Rusa timorensis*) and pigs, which both caused damage to *P. paniculatum* habitat.

## Conservation Actions (see Appendix for additional information)

Unprotected species by legislation, *Pittosporum paniculatum* is nevertheless known from several protected areas: Parc des Grandes Fougères, réserve de nature sauvage du mont Panié and réserve de nature sauvage du massif de l'Aoupinié. Current distribution area seems very large, field surveys are required to have a better idea of its effective distribution.

## Credits

**Assessor(s):** Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G., Letocart, I., Letocart, D., Maggia, L. & Pain, A.

**Reviewer(s):** Tanguy, V.

**Facilitators(s) and Compiler(s):** Chanfreau, S.

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Gomez, C., Mangeas, M., Curt, T., Ibanez, T., Munzinger, J., Dumas, P., Jérémy, A., Despinoy, M. and Hély, C. 2014. Wildfire risk for main vegetation units in a biodiversity hotspot: modeling approach in New Caledonia, South Pacific. *Ecology and Evolution* 5(2): 377-390. DOI: 10.1002/ece3.1317.

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Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

## Citation

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## External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

# Appendix

## Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Habitat   | Season | Suitability | Major Importance? |
|---|--------|-------------|-------------------|
| 1. Forest -> 1.6. Forest - Subtropical/Tropical Moist Lowland | -      | Suitable    | -                 |

## Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Threat   | Timing    | Scope  | Severity | Impact Score |
|--|-----------|--|----------|--------------|
| 7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity   | Ongoing   | -  | -        | -            |
|  | Stresses: | 1. Ecosystem stresses -> 1.1. Ecosystem conversion<br>1. Ecosystem stresses -> 1.2. Ecosystem degradation<br>2. Species Stresses -> 2.1. Species mortality   |          |              |
| 8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.2. Named species (Sus domesticus)  | Ongoing   | -  | -        | -            |
|  | Stresses: | 1. Ecosystem stresses -> 1.2. Ecosystem degradation<br>2. Species Stresses -> 2.2. Species disturbance<br>2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success  |          |              |
| 8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.2. Named species (Rusa timorensis) | Ongoing   | -  | -        | -            |
|  | Stresses: | 1. Ecosystem stresses -> 1.2. Ecosystem degradation<br>2. Species Stresses -> 2.1. Species mortality<br>2. Species Stresses -> 2.2. Species disturbance<br>2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success |          |              |

## Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

| Conservation Actions in Place                 |
|---|
| In-Place Land/Water Protection and Management |
| Occur in at least one PA: Yes                 |
| Invasive species control or prevention: No    |
| In-Place Species Management                   |

|  |
|--|
| <b>Conservation Actions in Place</b>                 |
| Successfully reintroduced or introduced benignly: No |
| Subject to ex-situ conservation: No                  |

## Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

|  |
|--|
| <b>Research Needed</b>                                     |
| 1. Research -> 1.2. Population size, distribution & trends |

## Additional Data Fields

|   |
|---|
| <b>Distribution</b>   |
| Estimated area of occupancy (AOO) (km <sup>2</sup> ): 152         |
| Continuing decline in area of occupancy (AOO): No                 |
| Extreme fluctuations in area of occupancy (AOO): No               |
| Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 4078     |
| Continuing decline in extent of occurrence (EOO): No              |
| Extreme fluctuations in extent of occurrence (EOO): No            |
| Continuing decline in number of locations: No                     |
| Extreme fluctuations in the number of locations: No               |
| Lower elevation limit (m): 5                                      |
| Upper elevation limit (m): 820                                    |
| <b>Population</b>   |
| Number of mature individuals: 10000-100000                        |
| Continuing decline of mature individuals: No                      |
| Extreme fluctuations: No  |
| Population severely fragmented: No                                |
| No. of subpopulations: 12   |
| Extreme fluctuations in subpopulations: No                        |
| <b>Habitats and Ecology</b>                                       |
| Continuing decline in area, extent and/or quality of habitat: Yes |
| Generation Length (years): 0                                      |

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